Suisun Marsh Scenarios Evaluation Matrix- 100' Breaches

Mean, Minimum, and Maximum Percent Change From Base on July 29, 1992 1/

Evaluation Criteria	Scenario	Morrow Is. SWH	Grizzly Is. SWH	Simmons Is SWH	Wheeler Is. SWH	Chipps Is. SWH	Van Sickle Is. SWH
Percent Salinity Change From Base	Suisun Bay	**-15.6** (-25.2,2.8)	**-0.8** (-3.3,1.1)	**0.5** (-1.0,3.9)	**2.1** (0.0,21.0)	**-0.8** (-6.2,2.4)	**-0.3** (-4.9,2.6)
	Western Marsh	**-6.9** (-20.5,8.2)	**-0.8** (-4.5,4.7)	**1.1** (-1.1,3.9)	**2.1** (0.2,4.6)	**-3.3** (-8.0,6.4)	**-2.3** (-6.2,6.7)
	Eastern Marsh	**-4.1** (-16.1,2.2)	**0.4** (-0.2,0.8)	**0.4** (-0.2,1.2)	**0.1** (-0.3,0.5)	**0.4** (-0.1,1.8)	**0.6** (-0.1,1.8)
	West Delta	**10.7** (2.6,21.4)	**-0.3** (-3.2,1.3)	**1.7** (-0.5,3.4)	**2.8** (0.7,3.7)	**-2.4** (-5.5,0.0)	**-1.2** (-3.8,0.5)
	North Delta	**-2.7** (-12.6,4.1)	**-2.7** (-8.1,0.0)	**-1.7** (-5.7,0.0)	**0.2** (-1.0,2.3)	**-3.5** (-9.5,0.0)	**-2.6** (-7.3,0.0)
	South Delta	**-3.5** (-9.1,8.9)	**-4.3** (-6.6,1.3)	**-2.6** (-4.7,1.0)	**0.4** (-0.7,3.1)	**-5.8** (-8.6,1.3)	**-4.4** (-6.6,1.3)
X2 Difference From Base (KM) 2/		0.69	0.75	0.73	0.62	0.33	0.42
X2 Standard Differences(days) 3/		0/-1/-1	0/-1/-1	0/-1/-1	0/-1/-1	0/-1/0	0/0/0
Tidal Range Difference							
Water Supply Reliability							
Acres of Tidal Marsh Created							
Acres of Shallow Water Habitat Created							
Quality of Shallow Water Habitat Created							
Conversion of Habitat							
Landowner Willingness to Participate							
Regulatory Review							
Maintenance Requirements							
Cost of Levee Construction							
Adjacent Landowner Impact							

Evaluation Criteria	Scenario	Western Option TM	Northwest Option TM	Central Option TM	Northeast Option TM	1998 Flood Breach Locations
Percent Salinity Change From Base	Suisun Bay	**4.5** (1.3,10.4)	**-1.4** (-6.0,4.4)	**10.1** (2.5,20.1)	**10.7** (2.5,21.4)	
	Western Marsh	**-0.7** (-9.0,5.7)	**-11.0** (-28.5,6.4)	**2.1** (-8.3,9.5)	**2.0** (-8.4,9.6)	
	Eastern Marsh	**-0.9** (-1.9,-0.1)	**-1.0** (-1.8,0.1)	**-0.9** (-2.2,-0.0)	**-0.9** (-2.1,-0.1)	
	West Delta	**-3.9** (-5.5,-1.4)	**-2.9** (-5.5,-1.4)	**-4.7** (-6.7,-1.6)	**-4.6** (-6.7,-1.6)	
	North Delta	**-2.8** (-7.6,0.0)	**-3.2** (-9.1,0.0)	**-3.3** (-8.8,0.0)	**-3.3** (-8.8,0.0)	
	South Delta	**-5.2** (-7.5,0.7)	**-6.5** (-9.4,0.7)	**-6.1** (-8.8,0.7)	**-6.1** (-8.7,0.7)	
X2 Difference From Base (KM) 2/		-0.33	-0.2	-0.58	-0.74	
X2 Standard Differences(days) 3/		0/0/3	0/0/3	0/0/3	0/0/5	
Tidal Range Difference						
Water Supply Reliability						
Acres of Tidal Marsh Created						
Acres of Shallow Water Habitat Created						
Quality of Shallow Water Habitat Created						
Conversion of Habitat						
Landowner Willingness to Participate						
Regulatory Review						
Maintenance Requirements						
Cost of Levee Construction						
Adjacent Landowner Impact						

1/ Based on DWRDSM1 Suisun Marsh Version.
2/ Average February through May 1992 X2: Scenario minus Base Condition in km
3/ Number of days X2 is downstream of Port Chicago, Chipps Is., Collinsville: Scenario minus Base Condition in days